



United States Patent [19]

Kohn

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[54] ANTICONVULSANT ENANTIOMERIC AMINO ACID DERIVATIVES

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[58] Field of Search 514/616; 564/155; 564/158

[56] References Cited

U.S. PATENT DOCUMENTS

5,378,729 1/1995 Kohn et al. 514/231.2
5,654,301 8/1997 Kohn et al. 514/231.2

FOREIGN PATENT DOCUMENTS

0 194 464 9/1986 European Pat. Off.

OTHER PUBLICATIONS

Anderson et al. J.Am.Chem. Soc., 89:19, pp. 5012-5017, 1967.

Kohn, Harold et al. "Preparation and anticonvulsant activity of a series of functionalized, alph.-heteroatom-substituted amino acids", J. Med. Chem., 1991, 34, 2444-2452.

Kohn, Harold et al. "Marked stereospecificity in a new class of anticonvulsants". Chemical Abstracts, 1988, 109, Abstract No. 183045.

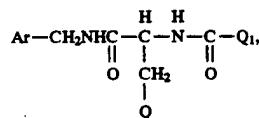
Choi, Daeck et al. "Synthesis and Anticonvulsant Activities of N-Benzyl-2-acetamidopropionamide Derivatives". J. Med. Chem., 1996, 39, 1907-1916.

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[57] ABSTRACT

The present invention is directed to a compound in the R configuration about the asymmetric carbon in the following formula:



pharmaceutical compositions containing same and the use thereof in treating CNS disorders in animals.

13 Claims, No Drawings